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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :

THIERRY LIVACHE ET AL : ATTN: APPLICATION DIVISION

SERIAL NO: NEW U.S. PCT APPLICATION:
(Based on PCT/FR00/00289)

FILED: HEREWITH :

FOR: METHOD FOR PRODUCING :
MATRICES OF ADDRESSED
LIGANDS ON A CARRIER :

PRELIMINARY AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Prior to a first examination on the merits, please amend the above-identified application as follows:

IN THE CLAIMS

Please amend the claims as follows:

5. (Amended) Method according to claim 1, in which identical or different ligands are fixed simultaneously or successively on different conductive sites of the carrier by using several elements respectively dispensing identical or different ligands.

7. (Amended) Method according to claim 1, in which at least two different ligands are successively fixed to different sites of the carrier using a single element and by changing at least once the ligand dispensed by this element.

8. (Amended) Method according to claim 1, in which the conductive zones are formed of zones of conductive material arranged on an insulating carrier.

11. (Amended) Method according to claim 8, in which the conductive material is chosen from the group made up of gold, silver, platinum, indium and tin oxide (ITO), carbon and conductive organic polymers.

13. (Amended) Method according to claim 1, in which the electropolymerisable monomer is pyrrole.

14. (Amended) Method according to claim 1, in which fixing of the ligand is obtained by electro-copolymerisation of the monomer and of the ligand coupled to the monomer.

15. (Amended) Method according to claim 1, in which the ligand is a nucleotide, an oligonucleotide, an amino acid or a peptide.

IN THE ABSTRACT

Please replace the original Abstract, page 27, in its entirety with the following:

ABSTRACT OF THE DISCLOSURE

A method for fabricating matrices of addressed ligands on a carrier. In the method, an element is used such as a reservoir filled with ligand and containing an electrode to deposit and electrochemically fix the ligand to the conductive carrier. The ligand may be an oligonucleotide or a peptide, and fixing may be obtained by electrocopolymerisation of this oligonucleotide or peptide carrying a pyrrole group at 5' with pyrrole.

REMARKS

Favorable consideration of this application, as presently amended, is respectfully requested.

The present Preliminary Amendment is submitted to place the above-identified application in more proper format under United States practice. By the present Preliminary Amendment the claims have been amended to no longer recite any multiple dependencies. A new Abstract believed to be in more proper format under United States practice is also submitted herein.

The present application is believed to be in condition for a full and thorough examination on the merits. An early and favorable consideration of the present application is hereby respectfully requested.

Respectfully submitted,

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